

TECHNICIAN'S CHECKLIST

SECTION 542

SOIL-CEMENT BASE

PROJECT: _____
 REVIEW DATE: _____

TECHNICIAN: _____
 REVIEWER: _____

ACTION	YES	NO	N/A	COMMENTS
Field inspection of soil-cement construction involves the control of five factors: cement content, moisture content, mixing, including depths, compaction, and curing.				
The Technician can easily monitor the control of these factors by organizing the inspection steps into a routine that fits in with the sequence of construction operations. The Geopavement Section may be consulted to assist in the mixing and placement process.				
Have soil surveys, laboratory reports, plans, and specifications been reviewed and correlated with job conditions?				
Have all soft subgrade areas been corrected? Has the roadway been shaped? Have manhole covers and other obstacles been removed or lowered?				
Is the Contractor aware that a period of 24 days between sampling and testing for final design of the cement stabilization is required?				
Is all construction equipment properly adjusted and in good working condition?				
Do all the weigh tickets for the cement have a certified N. C. weighmaster's stamp?				
Have the soil materials been pulverized sufficiently and will their moisture content allow them to mix readily with cement?				
A ½ gallon sample of cement should be obtained at a minimum frequency of one sample per day, provided the cement placed that day is from the same lot. The sample must be obtained from the discharge line, never from the ground after spreading.				
Has the proper quantity of cement been spread uniformly?				
Is the soil-cement mixture between optimum moisture and 2% above optimum moisture?				
Is the mixture uniform and thoroughly mixed? Is the width and depth of treatment according to the plans?				
Is the finished surface moist, dense and free of compaction planes?				
Is the soil-cement mixture at the transverse construction joint well-mixed and compacted?				
Is the specified density and depth of treatment being achieved?				
Is one of the approved curing seals being used?				
Is sufficient curing material for complete coverage being applied? Where subjected to traffic, has the bituminous material been sanded sufficiently to prevent pickup?				
Have all defects within the completed soil-cement base been repaired for the full depth of treatment?				